

May 7, 2004

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Dan Vollmer
Waste Stream Technology Inc.
302 Grote Street
Buffalo, NY 14207

Dear Mr. Vollmer:

This correspondence addresses the recent evaluation of Waste Stream Technology Inc. (WST) of Buffalo, NY by the U.S. Army Corps of Engineers (USACE) for chemical and radiological analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

METHOD	PARAMETERS	MATRIX ⁽¹⁾
300 series	Anions ⁽⁵⁾	Water ⁽²⁾
1632	Chemical Speciation of Arsenic	Water ⁽²⁾
9010C/9014	Cyanide	Water ⁽²⁾
9013/9010C/9014	Cyanide	Solid ⁽²⁾
8151A	Herbicides	Water ⁽²⁾
8151A	Herbicides	Solids ⁽²⁾
3510C/8081B	Organochlorine Pesticides	Water ⁽²⁾
3550B/8081B	Organochlorine Pesticides	Solids ⁽²⁾
3510C/8082A	Polychlorinated Biphenyls	Water ⁽²⁾
3550B/8082A	Polychlorinated Biphenyls	Solids ⁽²⁾
3510C/8270C	Semivolatile Organics	Water ⁽²⁾
3550B/8270C	Semivolatile Organics	Solids ⁽²⁾
3005A/3010A/3015A/6010C/7470A	TAL Metals ⁽³⁾	Water ⁽²⁾
3051A/6010C/7471B	TAL Metals ⁽³⁾	Solids ⁽²⁾
9060	Total Organic Carbon	Water ⁽²⁾
5030B/5035/Mod 8015	TPH - GRO	Water ⁽²⁾
5030B/5035/Mod 8015	TPH - GRO	Solids ⁽²⁾
3510C/Mod 8015	TPH - DRO	Water ⁽²⁾
3550B/Mod 8015	TPH - DRO	Solids ⁽²⁾
5030B/5035/8260B	Volatile Organics	Water ⁽²⁾
5030B/5035/8260B	Volatile Organics	Solids ⁽²⁾
M-RADSMPLPREP-01-XX	Radioactive Analysis Sample Preparation	Water ⁽⁴⁾

M-RADSMPLPREP-01-XX	Radioactive Analysis Sample Preparation	Solids ⁽⁴⁾
M-TEVA-01-XX	Measuring Thorium with Eichrom TEVA Columns	NA ⁽⁴⁾
M-UTEVA-01-XX	Measuring Uranium or Thorium with Eichrom UTEVA Columns	NA ⁽⁴⁾
M-RA228EPA-00-XX	Measuring Radium 228 by EPA 904.0	Water ⁽⁴⁾
M-RA226&224-00-XX	Measuring Radium-226 and Radium 224 by Alpha Spectrometry	NA ⁽⁴⁾
M-GAMMA-01-XX	Gamma Spectrometry using EG&G ORTEC Dspec	Water ⁽⁴⁾
M-GAMMA-01-XX	Gamma Spectrometry using EG&G ORTEC Dspec	Solids ⁽⁴⁾
M-ALPHANYLST-02-XX	Alpha Spectroscopy Counting System	NA ⁽⁴⁾
M-GASPRO-02-XX	Gas Proportional Alpha-Beta Counter	Water ⁽⁴⁾

- Remarks:
- 1) 'Solids' includes soils, sediments, and solid waste. NA = not applicable
 - 2) The laboratory has successfully analyzed a Proficiency Testing (PT) or performance evaluation sample for this method/matrix.
 - 3) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.
 - 4) Approval for this parameter is based primarily on review of SOPs.
 - 5) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.

Enclosed for your information is a copy of the Laboratory Inspection and Evaluation Report. Your laboratory has responded to the deficiencies as noted in the report. No further responses are necessary.

Based on the successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples for the appropriate fields of testing, the results of the laboratory inspection, and your Corrective Action Report, your laboratory will be validated for sample analysis by the methods listed above. Approval for radiological parameters is based on review of the laboratory's SOPs; the results of the laboratory inspection, the Corrective Action Report, and the laboratory's analysis of Performance Evaluation samples from commercial suppliers and for the DOE Quality Assessment Program (QAP). The evaluation of your facility is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation is 24 months and expires on May 7, 2006.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted

that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Dr. Jan W. Dunker at (402) 697-2566. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise

Enclosure